Index of Claims



Application No.

Edward M. Johnson

09/786,626

Examiner

Applicant(s)

TANAKA ET AL.

Art Unit

1754

Rejected Allowed

(Through numeral)
Cancelled ÷

Restricted

Non-Elected N ı Interference

**Appeal** Α o Objected

| The color of the | Cla      | aim      |          |                |  | Date     |               |                                   |    | Cla             | aim |   | Date          |            | 10 10 10 10 10 10 10 10 10 10 10 10 10 1   | Г        | Cla      | aim      |          |          |              | Dat          | e            |                 |          |          |
|--|----------|----------|----------|----------------|--|----------|---------------|-----------------------------------|----|-----------------|-----|---|---------------|------------|--|----------|----------|----------|----------|----------|--------------|--------------|--------------|-----------------|----------|----------|
| 1         V         V         51         101         102         102         102         102         103         103         103         103         104         104         104         104         104         105         106         106         106         106         106         106         106         107         107         107         107         107         107         107         107         107         107         108         108         108         109   |          | <u>a</u> | 2        | 4              |  |          |               |                                   |    |                 | a   |   |               |            |  |          |          | <u>a</u> |          |          |              |              |              |                 |          |          |
| 1         V         V         51         101         102         102         102         102         103         103         103         103         104         104         104         104         104         105         106         106         106         106         106         106         106         107         107         107         107         107         107         107         107         107         107         108         108         108         109   | a        | gi       | 12       | 8              |  |          |               |                                   |    | nal             | gin |   |               |            | 100  |          | nal      | ä        |          |          |              |              |              |                 |          |          |
| 1         V         V         51         101         102         102         102         102         103         103         103         103         104         104         104         104         104         105         106         106         106         106         106         106         106         107         107         107         107         107         107         107         107         107         107         108         108         108         109   | Œ        | Ö        | =        | 5,1            |  |          |               |                                   |    | 证               | Ö   |   |               |            |  |          | ᄄ        | Ö        |          |          |              | 1            |              |                 |          |          |
| 10   |          |          | L        | 1              | -  |          | $\dashv$      |                                   |    |                 |     | -   | +             | +          | H  | _        |          |          | -        | $\perp$  | +            | +            | ╀            | $\vdash$        | Н        | H        |
| 3  | -        |          | V        | -              | <del>├─</del> ┼                                  |          | +             |                                   |    |                 |     |   | +             | +          |  | ŀ        |          |          | $\dashv$ | _        | +-           | ╁            | -            | ┼               | -        |          |
| A  |          |          | H        | H              | 1-1-1  |          | +             | -                                 |    |                 | 53  | <del>                                     </del>                            | +             | +          | -  | H        |          | 102      | +        |          | ╁            | +            | <del> </del> | H               |          | H        |
| 5  |          |          | H        | Н              | 1-1-1  | -        | +             |                                   |    |                 |     |   | ++            | ++         |  | H        | $\dashv$ |          | $\dashv$ | +        | +            | +            | +            | $\vdash$        | H        | $\vdash$ |
| 6  | <b>—</b> | _        | It       | 1              | †  |          | 1             |                                   |    |                 | 55  |   | +             |            | 11   | r        |          |          | $\dashv$ | +        | +            | ╁            | 1            | $\vdash$        |          |          |
| Total   Control   Contro |          |          | 1        | П              |  |          | $\top$        |                                   |    |                 | 56  |   | 11            |            |  | Τ        |          |          |          | _        | +            | 1            | 1            |                 |          |          |
| 9  |          |          | 7        | П              |  |          |               |                                   |    |                 | 57  |   |               |            |  |          |          | 107      |          |          | T            | Τ            | 1            | Г               |          | П        |
| 10   |          |          | 7        |                |  |          |               |                                   |    |                 | 58  |   |               |            |  |          |          | 108      |          |          | I            |              |              |                 |          |          |
| 11   |          |          |          | Ц              |  | $\perp$  | $\perp \perp$ |                                   |    |                 |     |   | $\perp \perp$ |            |  | L        |          |          |          |          |              |              |              |                 | Ш        |          |
| 12   |          |          |          | Ц              | $\sqcup \sqcup$                                  |          | $\bot$        |                                   |    |                 | 60  |   | $\perp \perp$ |            |  | L        |          | 110      | $\perp$  |          | ┸            | $\perp$      | L            |                 |          | Ш        |
| 13   |          |          |          | Ш              | $\sqcup \sqcup$                                  | $\perp$  | +             | $\perp$                           |    |                 | 61  |   | 1-1-          | $\bot\bot$ |  | L        |          |          | $\perp$  | $\bot$   | $\bot$       | $\bot$       | $\vdash$     | Ш               | Ш        |          |
| 14   |          |          | _        | ${\mathbb H}$  | $\vdash$   | +        | +             |                                   |    |                 |     |   | ++            | 1 .        |  | L        |          |          | $\dashv$ | 4        | $\bot$       | $\perp$      | $\vdash$     | $\sqcup$        | Ш        | Ш        |
| 15   | <u> </u> |          |          | $oldsymbol{+}$ | $\vdash \vdash \vdash$                           |          | +-+           |                                   |    |                 | 63  |   | ++            | +          |  | _        | _        |          | -        | +        | +            | +            | ╄            | $\sqcup$        | Ш        | Н        |
| 16   | -        | 14       |          | $oldsymbol{+}$ | +++  | $\dashv$ | ++            | _                                 |    | ,               | 65  |   | ++            |            | -  | -        |          | 114      |          | $\dashv$ | +            | +-           | ┼            | $\vdash\vdash$  | Н        | Н        |
| 17   |          |          | -        | +              | ╂═┼┼┼  | +        | +-+           | +                                 |    |                 |     | +++   | ╁┼            |            |  | H        |          | 110      | -        | -        | ┿            |              | ╁            | Н               | $\vdash$ | -        |
| 18   |          | 17       | _        | +              | -+-  | -        | 1             | -                                 |    |                 | 67  |   | ++            | ++-        |  | H        | $\dashv$ |          | $\dashv$ | +        | ╁            | ╁            | H            | Н               | $\vdash$ |          |
| 19   |          |          |          | +              |  | _        | +             | ╅                                 |    |                 | 68  |   |               | ++-        | H  | H        |          |          | $\dashv$ |          | ╁            | +            |              | Н               | $\vdash$ | H        |
| 20   |          | 19       |          | $\dagger$      | <del>     </del>                                 | <u></u>  | 11            |                                   |    |                 |     | <del>-   -   -   -   -   -   -   -   -   -  </del>                          | ++            | +          |  | $\vdash$ | -        |          | +        | +        | +            |              | ┢            | Н               | Н        |          |
| 121  |          |          |          | t              |  |          | ++            |                                   |    |                 | 70  |   | +-+           | ++         |  | H        |          | 120      | $\dashv$ | +        | +            | ╁            | 1            | Н               | $\neg$   | $\neg$   |
| 122  |          |          |          | T              |  | T        | $\top$        |                                   |    |                 |     |   | $\top$        |            |  | 1        | .        | 121      | _        | 1        | +            | 1            |              | Н               | П        |          |
| 123  |          | 22       |          | 1              |  |          | 1 1           |                                   |    |                 | 72  |   | 11-           |            |  | T        |          | 122      | T        | 1        | $\top$       | 1            |              | П               | T        |          |
| 25         V         125         126         126         126         127         127         127         127         127         127         128         128         128         128         128         129         129         129         129         130         130         131         131         131         131         131         132         132         132         132         133         132         133         133         133         133         133         133         134         134         134         134         134         134         135         135         136         136         137         137         138         138         138         138         138         139         139         140         140         140         141         141         142         143         144         144         144         144         144         144         144         145         145         145         146         146         147         148         148         149         149         149         149         149         149         149         149         149         149         149         149         149         149         149         149   |          |          |          |                |  |          |               |                                   |    |                 | 73  | 3   1   |               |            |  |          |          | 123      |          |          |              |              |              | П               |          |          |
| 26       76       126       127         27       77       127       127         28       78       128       129         30       80       130       130         31       81       131       131         32       82       132       132         33       83       133       134         35       85       135       136         36       86       136       137         38       88       138       138         39       89       139       140         40       90       140       141         41       91       142       142         43       93       142       142         43       94       144       144         45       95       145       146         47       97       147       149  |          | 24       |          |                |  |          |               |                                   |    |                 | 74  |   |               |            |  |          |          | 124      |          |          |              |              |              |                 |          |          |
| 27       28       77       127       128       128       129       129       129       129       130       130       131       131       131       131       131       131       131       132       132       132       132       133<  |          |          |          | 1              |  | _        |               |                                   |    |                 | 75  |   |               |            |  |          |          | 125      |          |          |              |              |              |                 |          |          |
| 28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       96       146         47       97       147         48       98       149  |          |          |          |                |  | $\perp$  | $\perp \perp$ |                                   |    |                 |     | _ _   _   | 11            | $\bot$     |  | L        |          |          |          |          | <u> </u>     | L            | L            | Ш               |          |          |
| 29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       96       146         46       96       146         47       97       147         48       98       149  | <b>-</b> |          | _        |                | $\sqcup \sqcup$                                  | $\perp$  | $\perp$       | $\perp$                           | ₩, |                 | 77  |   | $\perp \perp$ | ++         |  | L        |          | 127      | _        | _        | 1            | ļ.,          | L_           | Ц               | $\dashv$ | $\dashv$ |
| 30     80       31     81       32     82       33     132       34     84       35     85       36     86       37     87       38     138       39     89       40     90       41     91       42     92       43     94       44     94       44     94       45     96       46     96       48     98       49     148       49     149  |          | 28       |          |                |  |          |               |                                   |    |                 | 78  |   | ++            | ++         |  | L        |          | 128      |          | _        | _            | _            | <u> </u>     | Ш               | $\dashv$ | $\dashv$ |
| 31     81       32     82       33     83       34     84       35     85       36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     149   |          |          | $\dashv$ |                | <del>                                     </del> |          | +             |                                   |    |                 | 79  | _ -   | ++            | ++-        | 27000<br>27000<br>14000  | L        |          |          |          | _        | +            | ┼-           | ├—           | Н               |          | _        |
| 32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       96       1446         47       97       147         48       98       149   |          |          | $\dashv$ |                |  | +        | +             | -                                 |    |                 | 91  |   | +             | +          |  | -        | $\dashv$ | 130      |          | +        | ╂            | ╂-           | ├-           | $\vdash \vdash$ | $\dashv$ | $\dashv$ |
| 33       83       133       134         34       84       134       134         35       85       135       135         36       86       136       137         38       87       137       137         38       88       138       138         39       89       139       139         40       90       140       141         41       91       141       141         42       92       142       142         43       93       143       144         44       94       144       144         45       95       145       146         47       97       147       148         48       98       148       149  |          |          |          |                | H  |          | +             |                                   |    |                 |     |   | ++            | ++         |  | -        | -        | 137      | -        | +        | ╁            | +            | ┢╌           | $\vdash$        | $\dashv$ | $\dashv$ |
| 34     84       35     135       36     86       37     136       38     87       39     89       40     90       41     91       42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     149   |          |          |          |                |  |          | ++            | $\dashv$                          |    | -               | 83  |   | ++            |            |  | -        | -        | 133      | +        | +        | +            | +-           | +-           | $\vdash$        | $\dashv$ | $\dashv$ |
| 35     85       36     136       37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94       45     96       46     96       47     97       48     98       49     149  | $\vdash$ |          | $\dashv$ |                |  | +        | ++            | $\dashv$                          |    |                 |     | 111   | +             | ++-        |  | -        | +        | 134      | 十        |          | +-           | +-           | t            | H               | $\dashv$ | $\dashv$ |
| 36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |          |          |                |  | $\neg$   | 11            |                                   |    |                 | 85  |   | ++            |            | The state of the s | Г        | _        |          |          |          | 1            | t            | T            |                 | $\dashv$ | $\dashv$ |
| 37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          | 36       |          |                |  |          |               |                                   |    |                 | 86  |   | 1"            | 11         |  | Γ        | $\dashv$ | 136      | $\top$   |          | 1            |              | t            | $\Box$          | $\dashv$ | $\dashv$ |
| 38       138         39       89         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       149  |          |          |          |                |  |          | Ш             |                                   |    |                 | 87  |   |               |            |  |          |          | 137      |          |          | Ι            |              |              | П               | $\dashv$ | $\neg$   |
| 40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |          |          |                |  |          |               |                                   |    |                 |     |   |               |            |  |          |          | 138      |          | I        |              |              |              |                 |          |          |
| 41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |          |          |          |                |  |          | $oxed{\Box}$  |                                   |    | I               |     |   |               |            |  |          |          | 139      |          | Ι        | L            |              |              |                 |          |          |
| 42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     148       49     149  | igsqcut  |          | _        |                |  | $\perp$  | $\perp \perp$ | $\perp \!\!\! \perp \!\!\! \perp$ |    |                 | 90  |   |               |            |  | L        | [        | 140      | $\perp$  | $\bot$   | $oxed{\Box}$ |              |              | Ш               |          |          |
| 43     93       44     94       45     95       46     96       47     97       48     98       49     148   |          | 41       |          |                |  | _        | $\sqcup$      |                                   |    |                 | 91  |   | ++            |            |  | L        |          | 141      | $\perp$  |          |              |              | <u> </u>     | Ш               | [        | $\dashv$ |
| 44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |          |          | _        |                |  | _        | +-+           |                                   |    |                 |     | $-\!$ | 44            |            |  | L        |          |          | _        | _        | 4_           | <u> </u>     | <u> </u>     | Ш               |          |          |
| 45     95       46     96       47     97       48     98       49     148   | $\vdash$ |          |          | - 1            | $\vdash \vdash \vdash$                           | $\dashv$ | ++            | $\dashv\dashv$                    |    |                 | 93  |   | ++            | + +        |  | $\vdash$ | _        | 143      | 4        | $\perp$  | 1_           | 1            | _            | $\vdash \vdash$ | 4        | _        |
| 46     96       47     97       48     98       49     148   |          |          |          | _              | $\vdash \vdash \vdash$                           | +        | ++            | $\dashv\dashv$                    |    |                 |     |   | ++            | ++-        | -1   | H        |          |          | +        | -        | ┼-           | <del> </del> |              | $\vdash$        | $\dashv$ |          |
| 47     97     147       48     98     148       49     149   | ┝─┤      |          | $\dashv$ |                | $\vdash$   | +        | ++            | $\dashv\dashv$                    |    |                 | 90  |   | +             | +          |  | H        | +        | 145      |          |          | +            | ⊢            | -            | H               | $\dashv$ | ᅴ        |
| 48 98 148 149 99 149 149 149 149 149 149 149 149   | ┝─┤      | 47       | $\dashv$ |                | $\vdash$   | +        | ++            | $\dashv$                          | H  |                 | 97  | <del>-     -   -</del>  | +-+           | ++-        |  | H        | $\dashv$ | 140      | +        |          | ╁            | $\vdash$     | <del> </del> | $\vdash$        | $\dashv$ | $\dashv$ |
| 49 99 149  | <b></b>  |          | $\dashv$ |                | $\vdash$   |          | ++            | $\dashv$                          | H  |                 |     |   | ++            | ++-        |  | $\vdash$ |          |          | +        | +        | ╁            | $\vdash$     | -            | $\vdash$        | $\dashv$ | $\dashv$ |
|  |          | 49       | 7        |                |  | $\dashv$ | ++            | -                                 |    | $\neg \uparrow$ |     | <del>- - -</del>  | ++            | + + -      | $\dashv$   | H        |          |          | +        | +-       | +            | $\vdash$     | -            | $\vdash \dashv$ | ᅱ        | $\dashv$ |
|  |          | 50       |          |                |  |          | <b>†</b> †    | $\neg \vdash \vdash$              |    |                 | 100 | 111   | ++            | 11         |  | H        | $\dashv$ | 150      | $\dashv$ | 1        | t            | T            |              | $\vdash$        | $\dashv$ | $\neg$   |